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(54) Title: METHOD AND SYSTEM FOR DETERMINING OBJECT POSE FROM IMAGES

(57) Abstract: A method and system for identifying an object or structured parts of an object in an image. A set of templates are created for each of a number of the parts of the object and the templates are applied to an area of interest in an image where it is hypothesised that an object part is present. The image is analysed to determine the probability that it contains the object part. Thereafter, other templates are applied to other areas of interest in the image to determine the probability that this area of interest belongs to a corresponding object part. The templates are then arranged in a configuration and the likelihood that the configuration represents an object or structured parts of an object is calculated. This is calculated for other configurations and the configuration that is most likely to represent an object or structured part of an object is determined. The method and system can be applied to creating a markerless motion capture system and has other applications in image processing.

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